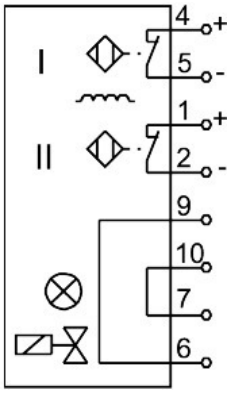
Limit switch box
SRBG-C1-N-20N-ZC-C2-C2-EX5

Part number: 3568167





Data sheet

Feature	Value
Design	Square
Based on norm	EN 60947-5-6 VDI/VDE 3845
Certification	RCM compliance mark c UL us (OL)
CE marking (see declaration of conformity)	As per EU EMC directive as per EU explosion protection directive (ATEX) As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC acc. to UK EX instructions To UK RoHS instructions
Explosion prevention and protection	Zone 0 (ATEX) Zone 0 (CN) Zone 0 (UKEX) Zone 1 (ATEX) Zone 2 (ATEX) Zone 20 (CN) Zone 20 (UKEX)
ATEX category gas	II 1G
Type of ignition protection for gas	Ex ia IIC T6...T1 Ga
Type of (ignition) protection for dust	Ex ia IIIC T200 135°C Da
Explosion protection certification outside the EU	EPL Da (CN) EPL Da (GB) EPL Ga (CN) EPL Ga (GB)
Explosive ambient temperature	See ATEX certificate See IECEx certificate
Effective internal inductance Li	100 µH
Effective internal capacitance Ci	100 nF
Max. input parameter of intrinsically safe circuit	See IECEx certificate

Feature	Value
	See ATEX certificate
Certificate issuing authority	2020322315003530 CML22UKEX2263X
Note on materials	RoHS compliant
Safety integrity level (SIL)	SIL 2
Measuring principle	Inductive
Ambient temperature	-25 °C...100 °C
Switching output	NAMUR
Switching element function	NC contact
Max. switching frequency	3000 Hz
Max. output current DC	3 mA
Short-circuit protection	Yes
DC operating voltage range	8.2 V
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Terminal strip
Electrical connection 1, cable outlet	Straight
Electrical connection 1, design	Round
Electrical connection 1, connection technology	Spring-loaded terminal
Electrical connection 1, number of pins/wires	10
Closable nominal conductor cross-section	0.2 mm²...2.5 mm²
Cable fitting	M20x1.5
Type of mounting	Screwed
Mounting position	Any
Product weight	170 g
Housing material	PBT
Material of screws	high-alloy stainless steel
Switching status indication	Yellow LED
Status indicator	LED yellow = pneumatic valve switching status
Storage temperature	-40 °C...100 °C
Degree of protection	IP67
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
LABS (PWIS) conformity	VDMA24364 Zone III
Contamination level	3